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CLOTHING ALMANAC NO. 9

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NORTHERN EUROPE

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Research and Development Branch
Military Planning Division
Office of The Quartermaster General
September 1950

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Department of the Army
OFFICE OF THE QUARTERMASTER GENERAL
Military Planning Division
Research and Development Branch

Environmental Protection Section

Clothing Almanac No. 9

NORTHERN EUROPE

(Scandinavia, Finland, and the Baltic States)

Washington, D. C.

September 1950

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INTRODUCTION

1. PURPOSE. Clothing Almanacs show monthly requirements for items of military clothing to be used in a particular region by troops operating under combat conditions. They are intended to aid logistic planners; from them it is possible to determine monthly clothing needs, probable amounts of use and wear of the items, and requirements for item replacement.

a. Distribution. The Almanacs are distributed for guidance to theater, Army, and other commanders responsible for authorizing the issue of discretionary items, and for information to commanders of posts, camps, stations, and divisions or equivalent organizations.

2. DESCRIPTION. Clothing Almanacs supplement T/A 21, which specifies total yearly clothing allowances for each of seven world-wide zones. Each T/A 21 Clothing Allowance Zone is based on the average temperatures of the coldest and warmest months, as shown in Table 1.

TABLE 1: CLOTHING ALLOWANCE ZONES OF T/A 21

Zone	Average Temperature (°F) of	
	Coldest Month	Warmest Month
I Tropical	Above 68 . . .	Above 68
II Semitropical	50 to 68 . . .	Above 68
III Warm Temperate	32 to 50 . . .	Above 68
IV Mild Temperate	32 to 50 . . .	50 to 68
V Cool Temperate	Below 32 . . .	Above 68
VI Cold Temperate	14 to 32 . . .	50 to 68
VII Arctic	Below 14 . . .	Below 68

For each zone, T/A 21 lists the items that are required or mandatory. It also lists for each zone the items that are discretionary. (Discretionary items are not required by all personnel within the respective zones, but they are essential to the operating efficiency of certain personnel whose duty assignments may involve greater exposure to environmental conditions.) Within the framework of T/A 21, Clothing Almanacs show monthly clothing requirements in specific regions, indicating essential items in these regions.

a. Basis. Clothing Almanacs are based on a detailed study of local environmental conditions. Each Almanac specifies the clothing most likely to be needed by troops for adequate protection against these conditions during round-the-clock operations. Of primary concern in preparing an Almanac is the amount and kind of clothing a soldier needs while he is in the field engaged in relatively light activity. Troops engaged in strenuous activity need less clothing; troops completely at rest require more to remain comfortable. Clothing Almanacs show the items that will give troops

adequate protection for at least 90 percent of the time, and in an average year any particular item can be expected to be used at least 30 percent of the time during the months specified.

b. Regions. Clothing Almanacs are issued for particular regions (e.g., Alaska, Japan, Northeast Africa, etc.) which include parts of one or more T/A 21 Clothing Allowance Zones. Each Clothing Almanac Region is further subdivided into a number of Clothing Requirement Areas, according to differences in monthly clothing requirements. Although all Clothing Requirement Areas within any one of the T/A 21 Clothing Allowance Zones have the same basic annual clothing allowances, they differ in monthly clothing needs.

(1) Clothing Requirement Areas are of two types, non-mountainous and mountainous. The latter are given a special designation to indicate that field conditions and, consequently, clothing requirements may change rapidly within a relatively short horizontal distance. The mountainous areas are divided into elevation intervals, each of which has different clothing needs. Thus, in effect, each interval represents a Clothing Requirement Area and clothing needs of troops operating within mountains can be determined for any elevation.

(2) Each Clothing Requirement Area is assigned an identifying symbol. Non-mountainous Areas are designated by Roman numerals of the Clothing Zones in which they occur, together with an identifying letter (e.g., VI-A). Mountainous Areas are designated by the Roman numerals of the Clothing Allowance Zones of their lowest elevations, together with an identifying number (e.g., VI-2). Although Clothing Requirement Areas in different Clothing Almanacs may have identical designations, they do not necessarily have the same environmental conditions or monthly clothing requirements. For example, monthly clothing requirements in Alaska VII-C are not the same as those in Greenland VII-C.

c. Map. A map of the Region showing its Clothing Requirement Areas is included in the back of the Almanac. Distinctive boundaries separate Clothing Allowance Zones; single line boundaries separate the individual Clothing Requirement Areas. Each Area is numbered according to the system outlined above.

d. Tables. For each Clothing Requirement Area or mountain elevation interval there is a table in the Clothing Almanac. Months are shown along the top, and the clothing items are listed on the left side of the page. Need for an item is shown by a solid bar drawn opposite the item and in the proper month-column. The absence of such a bar means that the item is not needed in that month. For each mountain interval, elevations in feet above sea level are given at the top of the page.

e. Items Listed. All items listed in the clothing tables are authorized in T/A 21, Mobilization, 26 January 1950, for the respective zones.

In the tables, these items have been grouped and arranged alphabetically under the headings of Body Clothing, Footgear, Handgear, Headgear, and Sleeping Equipment. For many items, model numbers, shade numbers, etc., have been eliminated to conserve space.

(1) Both discretionary and mandatory items are included in the tables. Discretionary items are indicated by an asterisk (*).

(2) Clothing Almanacs do not specify the requirements for specialized equipment. Issue of Specialized Individual Equipment for low mountain and alpine areas, as listed in T/A 21, Part III, Section II, may be authorized by the commanding general, theater of operations, or by the Department of the Army for individuals undergoing special training in continental United States. Boots, ski-mountain are considered specialized in that they are to be worn primarily by trained ski troops or specially equipped mountain troops. When worn with the proper sockgear, these boots are satisfactory for use with skis at temperatures as low as -22°F; they are not suitable for use with snowshoes. For climbing steep rocky slopes, they may be preferred at moderate to high temperatures over the Boot, service, combat, russet, and at lower temperatures over Shoepacs; the latter, however, are generally preferred for climbing wet or snow covered slopes.

(3) Certain items which are mandatory throughout the world, such as Drawers, cotton and Belt, waist are not included in the tables.

(4) Also excluded are items in the nature of equipment rather than clothing: insignia, toilet articles, knives, snowshoes, tents, steel helmets, etc.

(5) Under the heading "Anti-Insect" need is indicated for: Gloves, mosquito, Headnet, mosquito; Bar, insect, field; and Repellent, insect.



Figure 1. Scandinavian uplands.

- a. The gentle eastern slope. Well-watered forested valleys lead by gentle slope to barren uplands. Southern part of Area VII-1.
- b. The rugged western slope. Gudvangen, a seaport 100 miles from the open sea on a branch of Sogne Fjord northeast of Bergen. Precipitous walls drop from the uplands to the valley floors. Area VI-1.

[REDACTED]

CLOTHING ALMANAC FOR NORTHERN EUROPE
(Scandinavia, Finland, and the Baltic States)

1. GENERAL. The Clothing Almanac for Northern Europe shows field clothing requirements for Norway, Sweden, Finland, Denmark, Estonia, Latvia, and Lithuania. This region is nearly as large as Alaska, and like Alaska is situated in the high latitudes on the west side of a continental land mass. No part of Northern Europe, however, experiences such extremes of temperature as interior Alaska, and clothing needs differ accordingly.

The clothing tables reveal a wide range of clothing requirements. Within this corner of Europe, latitude, maritime influence, and elevation are reflected in the tables by complete and pronounced seasonal clothing changes in interior locations, by less complete but distinctive seasonal clothing changes along west-facing coasts, and by a variety of clothing requirements in mountainous terrain.

Three of the T/A 21 Clothing Allowance Zones are represented in Northern Europe: Zones IV, VI, and VII, a cool weather to very cold weather clothing sequence. In this region, these zones have been divided into 5 mountainous and 5 non-mountainous Clothing Requirement Areas, with- in each of which clothing needs are quite uniform.

2. ENVIRONMENTAL FACTORS. Climate and relief largely govern the proper allowance of military clothing in Northern Europe. Of the two, climate probably has a greater influence, but relief so controls the choice of certain items that it is impossible to consider one without the other. Together they help condition the character of the land surface and the insect population.

a. Relief. The dominating feature is the Scandinavian Highlands (Clothing Requirement Areas IV-1, VI-2, VII-1, and VII-2). High on the west, gently dipping toward the east, (Figure 1a) and oriented in a northeast-southwest direction, they extend for nearly a thousand miles and form the backbone of the Scandinavian Peninsula. The Atlantic facing edge is broken and fissured and forms the irregular and highly fjorded coast of Norway (Figure 1b). Thousands of rocky islands, outliers of the highlands proper, fringe the entire Norwegian coast. Rising sharply from the coastline, the steep-sided fjords terminate upwards in plateau-like surfaces known as fjelds. At the Scandinavian water divide the fjeld is continuous and averages between 3,000 and 4,000 feet in elevation. Elevations are greater than 8,000 feet, however, at the highest of the rounded summits. Valleys and lower slopes are generally forested, but the vegetation of the treeless fjeld is scanty. Permanent snow and ice fields occupy parts of the highest terrain.

East of the highlands and centrally located with respect to the non-mountainous Areas of the region (Clothing Requirement Areas VI-A, VI-B, VII-A, VII-B, and VII-G), the Baltic Sea occupies the bottom of a lowland

[REDACTED]



Figure 2. Baltic lowlands.

- a. Farmland of southeastern Sjaelland, Denmark's largest island. Flat land, intensively cultivated, distinguishes most of Denmark and adjacent part of Sweden. Stevns-Glint. Area VI-A.
- b. Lakes and forests of southern Finland. A wet sparsely settled area. Lake Saima. Area VI-B.

basin. The land rising gently from this inland sea includes Estonia, Latvia, Lithuania, Denmark, and most of Sweden and Finland. Spruce-fir forests, interrupted here and there by rivers, lakes and bogs, clothe most of the land surface of Sweden and Finland (Figure 2b). Along the Arctic coast the forest gives way to a strip of treeless tundra. In the south, including Denmark, the Baltic States, and the coastal belts of Norway, Sweden, and Finland, the tree cover has been largely removed. The open flat or rolling countryside is characterized by fields, meadows, barns, houses, and other cultural features of the dense rural population (Figure 2a). Cities are largely confined to the coasts of the Baltic and North Seas.

The relief of a particular area, together with temperature and the state of the ground, determines the type of footgear best suited for combat use. In all mountainous areas, Shoepacs, suitable for climbing wet or snow covered slopes, are required for at least part of the year. At elevations below 1,000 feet along the Norwegian coast (Areas IV-1, VI-1, and VI-2) where conditions are cool and wet year-round, Shoepacs, are necessary during all months. At the upper fjeld level, Shoepacs are required during summer only, when the surface is wet and waterlogged. On the fjeld Boots, Arctic, felt and Boots, mukluk are needed during those months when mean temperatures drop below 14°F. Mukluku keep the feet a little warmer at extremely low temperatures (below -30°F), but Arctic felt boots are better suited for use with skis and snowshoes.

b. Climate. Of the climatic variants, temperature and precipitation have the greatest effect on the clothing allowance.

(1) Temperature. In winter, there is a general tendency for temperatures to decrease from west to east throughout the region. Highest winter temperatures are experienced along the west coast of Norway. Ona, for example, off the southwest coast of Norway, records a mean temperature of 36°F for February, the coldest month. Winter temperatures east of the mountains in central and northern Sweden and Finland are much lower, rarely rising above the freezing point, and minimums as low as -30° and -40°F are common. The Baltic States, Denmark, and southern Norway and Sweden (Area VI-A) are considerably warmer in winter than the areas immediately to the north.

In summer there is a general reversal of temperature tendencies, with temperatures increasing from west to east. West-facing coasts are cool with mean temperatures of the warmest months between 50° and 55°F; east of the highlands, throughout the Baltic depression, summers are mild with mean monthly temperatures between 60° and 65°F. Summer decreases in length from south to north, until, in northern Finland, there are only two warm months. There is also a constant decrease of temperature with elevation and the coolest part of Scandinavia is the upper portion of the highlands.

Because clothing is designed primarily to protect against the effects of outside temperature, seasonal clothing changes follow closely the progression of temperature through the year. Arctic clothing is required in Zone VII in months when mean temperatures are below 14°F: 2 months (January and February) in central Sweden and Finland (Area VII-A) to as many as 6 months (November through April) in the uppermost levels of the Scandinavian Highlands (Area VII-2). Summer clothing of Zone VII is intended to protect against mild temperatures, and is composed chiefly of lightweight woolen garments similar to those worn in northern New England.

In contrast to the extremes of seasonal needs within Zone VII, Zone IV (Area IV-I) requires lighter winter and heavier summer clothing. At the lowest level (below 1,000 feet), mean temperatures of the coldest months are above 32°F and those of the warmest summer months are less than 20°F higher. Woolen underwear and the wool overcoat are not necessary during summer; otherwise, the same woolen uniform is worn at all seasons.

The low winter temperatures of Northern Europe are of great concern to the combat soldier. He is interested in knowing how to keep warm. Even at 0°F, a temperature well above the minimums to be expected, an inactive man clothed in the warmest of garments cannot maintain proper body warmth indefinitely. When the wind is blowing, cold air feels even colder, and the loss of body heat is accelerated. At 5°F, a wind of 20 mph, for example, cools a man's bare skin as effectively as a 2 mph wind at -40°F. Winds are usually not strong enough, however, to produce acute "wind-chill" except in the Scandinavian Highlands where high velocities are frequent.

Blowing snow is often associated with low temperature and high wind. Snow crystals blown at high speeds feel like pins and needles on exposed parts of the body, causing discomfort and hastening frostbite. When forced inside the clothing, snow crystals can melt, reducing the effectiveness of clothing in keeping one warm. How to guard against such overexposure and how to use clothing as efficiently as possible are probably as important to the existence of the soldier operating in the field as the clothing itself. For clothing use techniques see TM 10-275 Principles of Cold Weather Clothing and Equipment.

Nowhere within the region is a cotton uniform indicated for summer wear. Although summer afternoon temperatures of the Baltic lands occasionally approach 90°F and frequently exceed 77°F, the temperature above which many people find wool uncomfortable, night and early morning temperatures are usually so low that cotton does not provide sufficient warmth. Troops, therefore, will be overprotected during short periods of some days, but for 24-hour outdoor living, they are better clothed in wool than in cotton.

(2) Precipitation. The patterns of precipitation east and west of the Scandinavian water divide differ both in amounts and in seasonal occurrence. In the west, roughly the equivalent of the mountain Areas,

precipitation is heavy throughout the year with the maximum in fall and winter. Exposed to the moisture-laden winds from the North Atlantic, the west and southwest coasts of Norway have recorded yearly totals up to 120 inches. Most of the precipitation falls as rain or drizzle on an average of more than 200 days per year. At the higher levels the west-facing slopes undoubtedly receive greater amounts, much in the form of snow, and annual totals may exceed 200 inches. Even along the Arctic coast, annual precipitation averages 25 inches or more. On the other hand, protected sites record lower amounts, and annual averages of 10 to 15 inches are common in some valleys a short distance inland from the coast. East of the water divide, roughly the land surface of the non-mountainous Areas, precipitation averages between 15 to 30 inches yearly. No season is very wet but summer rainfall exceeds that of any other season.

In the coastal sections of Norway special wet weather clothing is necessary for complete protection. Parka and trousers, wet weather, designed to protect against cold rain and wet snow, are desirable for some troops below the 1,000 foot level in Areas IV-1 and VI-1 for all seasons except summer when the Raincoat or Poncho will protect adequately against the warmer rains. At the lowest mountain level of the north coast (Area VI-2) Parka and trousers, wet weather are necessary in all seasons except winter when a snow cover usually prevails. Although precipitation totals of the intermediate and uppermost levels of the mountains probably exceed those below 1,000 feet, Parka and trousers, wet weather are not recommended. Rather, the Poncho, lightweight, od provides adequate rain protection, and, at the same time, allows considerable freedom of body movement when worn, a condition necessary when traversing the rugged terrain of the Scandinavian Highlands.

The condensation of water vapor inside one's clothing is a serious moisture problem during cold weather. As the skin emits moisture, water vapor forms and permeates through the inner clothing. When the vapor reaches each slightly colder layer of clothing, it condenses and wets the garments. This wetting is hastened considerably when one is engaged in strenuous work such as snowshoeing or walking in deep snow. When clothes are wet, their insulating qualities are greatly reduced, and chills may result. Moist air, however, can be removed by ventilation -- periodically forcing the air through the collar or waist of the parka. Momentary discomfort may result, but ventilation is very important in keeping clothes dry.

c. Ground conditions. Wet-cold surfaces and snow covered ground are important features of the land surface affecting proper clothing protection: the one in respect to footgear requirements, the other in respect to camouflage items.

(1) Wet-cold ground. Wet-cold ground is common to all Clothing Requirement Areas of Northern Europe. This surface condition, however, varies seasonally with latitude and with elevation. Along the fjorded

west coast of Norway wet-cold ground varies from a year-round condition in some locations near sea level to a summer condition only at the uppermost levels. In the Baltic lowlands of the south (Area VI-A) and the west coast of Norway (Areas IV-1 and VI-1) the wet-cold period is confined chiefly to the winter with its rain and snow. Northward and eastward (Area VI-B), winters are colder and drier, and wet-cold ground is associated with the spring thaw and fall freeze. Finally, in the far north (Areas VII-B and VII-C and lower level of VI-2), this surface condition lasts from spring through summer into fall. Because of its duration, areal extent, and effects, wet-cold ground is of special significance.







In the wet-cold lands of the Arctic coast and fjeld uplands, the landscape is conspicuously lacking in trees. Whether bare of vegetation or covered with a low growing matting of grasses, mosses, lichens, or low bushes, such expanses are termed "tundra". Peat bogs and swamps are numerous and many small pools dot the surface. In summer, the tundra is very soft in places, and one may sink ankle deep in the mire with every step. Even south of the tundra within the coniferous forests of Norway, Sweden, and Finland, wet-cold ground may be encountered. The forest floor, composed of duff and peat, is spongy and somewhat yielding to the foot. During the spring thaw, the ground is thoroughly saturated. In mid-summer, the ground, though wet beneath the uppermost layer of duff, is firmer, drier, and better suited for military transit. Peat bogs and lakes are especially numerous in central and southern Finland (Figure 2b) but are distributed throughout the forest.

Shoepacs are recommended for use on wet-cold ground. They provide better protection than any other military foot apparel against the contraction of trenchfoot or other foot ailments prevalent in wet-cold areas. However, both Shoepacs and Boots, service, combat, are generally indicated simultaneously for use during wet-cold periods. The combat boot is designed for use on dry ground, and is satisfactory when activity is confined to highway operations or garrison duty. On the other hand, for field duty, Shoepacs are essential (Figure 3)

(2) Snow cover. Except in the mountain Areas, the winter landscape is generally characterized by a continuous snow cover. In Denmark thin snows usually cover the ground from late December to mid-March. Northward, the snows arrive sooner, accumulate deeper, and last longer. In northern Finland, the snow cover is established by October, accumulating to a 2 to 3 foot thickness by mid-March, and dissipates by the end of May. In the mountains the snow cover is irregular. Permanent snow and ice fields occupy portions of the highest terrain and some mountain passes are choked with snow for 7 to 8 months of the year. Conversely, many of the west-facing valleys and fjords are snow-free all, or nearly all of the year. The fjeld surfaces, though high, are usually swept bare of snow by high winds.

The snow camouflage uniform (Parka and trousers, field, overwhite, and Mittens, overwhite) is listed in the tables for those months when a snow

1950 COMBAT FOOTGEAR

ITEM	MATERIALS	SOCKGEAR	FUNCTION	SURFACE	T/A 21 ZONES	RANGE OF ACTUAL TEMPERATURES FOR SATISFACTORY USE (OPTIMUM TEMPERATURES ARE NEAR CENTER OF RANGE)
BOOT, COMBAT, TROPICAL  3.68 lbs. per pr.	UPPER NYLON DUCK & LEATHER TREAD RUBBER	1 PR. SOCKS, WOOL, CUSHION SOLE 1 PR. INSOLES, VENTILATING Total: 0.29 lbs.	PROVIDES TRACTION PERMITS SWEAT EVAPORATION & VENTILATION QUICK DRYING	FORESTS, JUNGLES, & GRASSLANDS TROPIC & SEMITROPIC CONDITIONS	I II III IV V VI VII [Shaded in Zone IV]	ACTIVE TROOPS +50 INACTIVE TROOPS +125
BOOT, SERVICE, COMBAT, RUSSET  3.88 lbs. per pr.	UPPER LEATHER TREAD RUBBER	1 PR. SOCKS, WOOL, CUSHION SOLE Total: 0.19 lbs.	GENERAL USE	GENERALLY DRY SURFACES UNDER TEMPERATE CONDITIONS	I II III IV V VI VII [Shaded in Zones I, II, III, IV, V]	ACTIVE TROOPS +14 INACTIVE TROOPS +95
SHOEPAC, M-1944  4.73 lbs. per pr.	UPPER LEATHER & RUBBER SHELL TREAD RUBBER	2 PR. SOCKS, WOOL, SKI 1 PR. INSOLES, FELT Total: 0.86 lbs.	PROVIDES TRACTION WATERPROOF	WET & WATER-LOGGED SURFACES UNDER WET-COLD CONDITIONS	I II III IV V VI VII [Shaded in Zone VI]	ACTIVE TROOPS -4 INACTIVE TROOPS +88
BOOT, SKI-MOUNTAIN  5.30 lbs. per pr.	UPPER LEATHER TREAD RUBBER	1 PR. SOCKS, WOOL, CUSHION SOLE 2 PR. SOCKS, WOOL, SKI 1 PR. INSOLES, FELT Total: 1.05 lbs.	ABRASION PROTECTION SUPPORTS FOOT & ANKLE PROVIDES TRACTION For Special Troops only	RUGGED MOUNTAINS & SKIING	I II III IV V VI VII [Shaded in Zone V]	ACTIVE TROOPS -22 INACTIVE TROOPS +5
BOOT, ARCTIC, FELT  3.63 lbs. per pr.	UPPER FELT & LEATHER TREAD RUBBER	1 PR. SOCKS, WOOL, CUSHION SOLE 2 PR. SOCKS, WOOL, SKI 1 PR. INSOLES, FELT Total: 1.05 lbs.	PERMITS SWEAT EVAPORATION SUPPORTS FOOT & ANKLE CUFF EXCLUDES SNOW	DRY SNOW & BAREFROST UNDER ARCTIC CONDITIONS	I II III IV V VI VII [Shaded in Zone VI]	ACTIVE TROOPS -49 INACTIVE TROOPS -23
BOOT, MUKLUK  0.73 lbs. per pr.	UPPER CANVAS TREAD LEATHER	1 PR. SOCKS, WOOL, CUSHION SOLE 2 PR. SOCKS, WOOL, SKI 1 PR. SOCKS, FELT 2 PR. INSOLES, FELT Total: 2.04 lbs.	FLEXIBLE SOLE SELF-WARMING PERMITS SWEAT EVAPORATION KNEE-LENGTH EXCLUDES SNOW	DRY SNOW-COVERED SURFACES UNDER ARCTIC CONDITIONS	I II III IV V VI VII [Shaded in Zone VI]	ACTIVE TROOPS -45 INACTIVE TROOPS -23

ENVIRONMENTAL PROTECTION SECTION, MILITARY PLANNING DIVISION

Figure 3

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cover can be expected to exist. The mantle of snow, however, in any given locality may vary in depth and in duration from year to year. This is especially true in the southern Baltic (Area VI-A) where some winters are nearly snow-free. Consideration, then, must be given to the existing snow on the ground for most effective use of overwhites. Even in areas of heavy snow cover, the use of overwhites is sometimes questionable. Wherever the monotony of a snow cover is broken by the physical details of the landscape, as in heavily wooded areas or in densely populated districts where cultural features predominate, the effectiveness of the snow camouflage uniform is reduced. In such areas partial use of the snow camouflage uniform may effect the best results. Within snow mantled forests, for example, it is conceivable that men wearing overwhites on the lower half of their bodies are less distinguishable than men clad in full overwhites, for the upper part of their bodies may blend more readily with the background of dark colored tree trunks.

d. Insects. As in most parts of the world, summer is the insect season of Northern Europe. The pestiferous element of the insect population is made up chiefly of mosquitoes, black flies, and sand flies which are present throughout the region. Insect control, however, has reduced their numbers in the densely populated districts (Area VI-A). Within the forested and tundra portions of the region, on the other hand, hordes of insects can make life extremely uncomfortable. From late May or early June to the first heavy frost of fall, the mosquito, in particular, is a problem, and protective measures must be taken.

In all the Clothing Requirement Areas of Northern Europe the need for insect protection is indicated in the tables for at least three summer months. Methods of protection vary widely, however, according to individual needs and individual preference for items composing Anti-insect materials. Some people are less irritated by insects than others and may prefer Repellent, insect only. Others may choose Headnet, mosquito and Gloves, mosquito for use in the field. Still others may develop a psychological and physiological immunity to biting insects, and require no protection whatsoever. In any case, Anti-insect items should be available for use and must be provided.

3. CLOTHING SUMMARY. Clothing requirements for Northern Europe, itemized in detail in the Clothing Requirement Tables, can be summarized in three groups (Table 2): cool weather, cold weather, and very cold weather. Not all items of each group are required in a specific area, but selections from the groups will provide suitable protection under average conditions of the applicable season. The Clothing Requirement Tables at the end of this Almanac show the detailed requirements for individual items.

In summer cool weather clothing as listed in Table 2 is generally suitable for use throughout the region when mean monthly temperatures are between 50° and 68°F. In the Baltic sections (Areas VI-A and VI-B), temperatures approach 68°F, and cool weather clothing is used without the

TABLE 2: CLOTHING GROUPS, NORTHERN EUROPE

<u>Cool Weather</u>	<u>Cold Weather</u>
Jacket, field, w/hood, jacket & overcoat Jacket, wool, od Jacket & Trousers, herringbone twill Poncho, lightweight, od Raincoat Shirt, flannel, od, & Trousers, field, wool, od Sweater, high neck Trousers, field, cotton, od Boots, knee wader Boots, service, combat, russet, or Shoes, service; w/1 pr. socks, wool, cushion sole Shoepacs, 12 in. w/2 pr. socks, wool, ski; 1 pr. insoles, felt Glove-shells, leather, w/2 pr. inserts, wool Cap, field, cotton, od, w/visor Bag, sleeping, wool Blanket, wool, od Case, water repellent, bag, sleeping Anti-insect	Jacket, field, w/hood, jacket & overcoat *Jacket, field, pile, od Jacket, wool, od Jacket & Trousers, herringbone twill Overcoat *Parka & Trousers, field, overwhite **Parka & Trousers, wet weather Poncho, lightweight, od Raincoat Shirt, flannel, od, & Trousers field, wool, od Sweater, high neck Trousers, field, cotton, od Undershirt & Drawers, winter Shoepacs, 12 in. w/2 pr. socks, wool, ski; 1 pr. insoles, felt Boots, knee wader Boots, service, combat, russet, OR Shoes, service, w/1 pr. socks, wool, cushion sole Glove-shells, leather, w/2 pr. inserts, wool *Mitten-shells, w/2 pr. inserts, trigger-finger *Mittens, overwhite Cap, field, cotton, od, w/visor *Cap, field, pile, od, MQ-1 Muffler, wool, od Bag, sleeping, mountain Blanket, wool, od Case, water repellent, bag, sleeping
<u>Very Cold Weather</u>	
Jacket, field, pile, od Parka-liner, pile & Parka-shell, cotton, od, OR Overcoat, parka type w/pile liner Parka & Trousers, field, overwhite Shirt, flannel, od, & Trousers, field, wool, od Sweater, high neck Trousers, field, cotton, od Undershirt & Drawers, winter Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt Mitten-shells, w/2 pr. inserts, trigger-finger Mittens, Arctic, w/2 pr. inserts, trigger-finger Mittens, overwhite Cap, field, cotton, od, w/visor Cap, field, pile, od, MQ-1 Mask, cheek protector, Arctic Muffler, wool, od Bag, sleeping, Arctic Case, water repellent, bag, sleeping	* Not in lower level of Zone IV. ** Worn in rainy west coast areas (IV-1 and VI-1) in winter and spring; in the north coast area (VI-2) in summer.

Glove-shells, leather, Jacket, wool, od, and Sweater, high neck. In northern Norway (Area VI-2) mean monthly temperatures are close to 50°F and rainy weather is common; here, Bag, sleeping, mountain, Overcoat, wool, od, Parka & Trousers, wet weather, and Undershirt & Drawers, winter are necessary in addition to the cool weather group.

In winter, requirements for clothing protection vary from locality to locality within the region. In Zones IV and VI, when the mean monthly temperatures are between 14° and 50°F, varying combinations of cold weather clothing are required. In addition, Boots, Arctic, felt, Mittens, Arctic and Parka-liner, pile & Parka-shell, cotton, od are needed in the colder sections of Zone VI (Areas VI-2 and VI-B) when mean monthly temperatures are between 14° and 23°F.

The warmest issue of military clothing, the very cold weather group, is used throughout Zone VII and in the upper mountain levels of Zone VI in those months with mean monthly temperature below 14°F. Certain items in this group are needed with mean monthly temperature up to 23°F.

In spring and fall, clothing needs change as the seasons progress, and requirements are intermediate between summer and winter needs. In Zone VII, spring and fall needs approximate those of winter in Zone VI, and the cold weather assembly is used.

In any given group the need for two or more clothing items for the same general purpose may be indicated. This is not to imply that the items should be worn at the same time; rather, choice for varying climatic conditions and varying activities is provided. For example, Jacket, field, pile, and Jacket, wool, od are both listed for the cold weather group. The former should be worn on cold days or at night, the latter may be worn on warmer days; moreover, the pile jacket is strictly an out-of-doors item, whereas the wool jacket is designed for garrison wear as well.

Certain clothing items which are mandatory in all Zones, such as Drawers, cotton, and Belt, waist have not been listed in the Clothing Requirement Tables nor the table of clothing groups. In all mountainous areas, specialized mountaineering equipment and clothing are normally necessary, in addition to the clothing listed.

4. INTERPRETATION AND USE OF CLOTHING REQUIREMENT TABLES. A general discussion of the Clothing Requirement Tables is given in the introduction. In using the tables, however, it is important to remember that any given month may deviate from the average in some respect. In years of great departure from the normal the need for a particular item or a group of items will be for longer or shorter periods than indicated.

For certain months the tables list more clothing than would be normally expected. For example, the table for Area VII-B lists more clothing for the month of April than for May and about the same amount as for March. This is not to imply that April is as cold as March, but rather that April is a

month of changing conditions, and enough clothing variety is offered to provide protection as conditions necessitate. Consequently, two or more clothing items for the same general purpose may be indicated for the same month.

5. SUPPLEMENTARY ARMY PUBLICATIONS. Information concerning the construction, function, manner of wear, and approved methods of care of each item of clothing may be found in one or more of the following Army publications.

a. FM 31-70: Arctic Operations (Draft of March 1949). Chapter 3, Clothing and Individual Equipment, summarizes the general principles of cold weather clothing and describes many of the clothing and equipment items designed for use in the Arctic and Sub-Arctic.

b. TM 10-275: Principles of Cold Weather Clothing and Equipment (October 1944). The proper use, care, and maintenance of cold weather clothing and equipment are discussed for the principal items protecting the body, the feet, the hands, and the head. The principles of insulation on the layer basis, proper fitting and sizing of clothing, the importance of clean and dry clothing, and the relationships between body activity and clothing amounts are emphasized. Specifications are furnished as to the actual temperatures when certain outer protective items of clothing and equipment are to be worn.

c. TM 1-240: Arctic Manual (January 1944). Chapter 4, Clothing and Equipment, generalizes the information contained in the TM 10-275 (October 1944) with special emphasis on problems of the Arctic environment. A section on summer clothing, p. 125, indicates the problems of insects, wet ground surfaces and the very variable climatic conditions.

d. FM 70-15: Operations in Snow and Extreme Cold (November 1944). Chapter 3, Clothing, is a generalization of TM 10-275, Chapter 5, Snow Shoes; Chapter 6, Skiing; and Chapter 9, Equipment, are of special interest.

e. FM 70-10: Mountain Operation (September 1947). Chapter 1, General Considerations; Chapter 4, Conditioning and Acclimatization; Chapter 6, Weather; and Chapter 7, Winter Characteristics, discuss the relationship between the soldier and the mountain environment.

f. FM 21-15: Individual Clothing and Equipment (April 1945). Emphasis is placed on the care of clothing and equipment and methods of assembling and packing.

g. TM 10-228: Fitting of Shoes and Socks (February 1946). The importance of proper shoe fitting methods, foot measuring equipment and procedures, sock fitting and size correlation, and size data for boots and shoes including approved sock combinations, are the more important sections of this manual.

h. Films and Film Strips:

- (1) FS 10-142 (1944) Cold Weather Clothing - Part I: Principles.
- (2) FS 10-143 (1944) Cold Weather Clothing - Part II: Body.
Clothing.
- (3) FS 10-144 (1944) Cold Weather Clothing - Part III: Footwear.
- (4) FS 10-145 (1944) Cold Weather Clothing - Part IV: Handwear
and Headgear.
- (5) MISC. 1344 (1947) Task Force Williwaw. Cold weather tests
of personnel and equipment in the Aleutian cold, wet climate.
- (6) MISC. 1360 (1948) Task Force Frigid. Cold weather tests of
personnel and equipment in Alaska at 60°F below zero.

6. OTHER CLOTHING ALMANACS. Clothing Almanacs for adjoining regions are:

Greenland, Iceland, Jan Mayen, and Svalbard (No. 4, August 1950)
Western U.S.S.R. (No. 6, September 1950)
Central Europe
British Isles

7. CLOTHING REQUIREMENT TABLES. The 18 tables of Field Clothing Requirements for the 10 Areas of Northern Europe are arranged according to Clothing Allowance Zones, those for Zone IV being followed by those of Zone VI and finally Zone VII. Within each Zone, the tables for non-mountainous areas come first, in alphabetical order; the mountain area tables follow in numerical order, with the tables for the lowest elevation of each area coming first, then for upper levels in ascending order.

Areas to which each table applies are shown on the folding map in the back. For best use of the tables, especially as regards selection from them of clothing items best suited to the individual location and year, the preceding text should be consulted.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE IV - I (below 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat.												
Jacket, wool, od.												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od.												
* Raincoat.												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od.												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, knee wader												
Boots, service, combat, russet; OR Shoes, service; w/lpr. socks, wool, cushion sole.												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; lpr. insoles, felt.												
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, herringbone twill												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool.												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping.												
OTHER ITEMS												
* Anti - insect (See Introduction)												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

IV 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE IV - I (above 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
* Jacket, field, pile, od												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2pr. socks, wool, ski; lpr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2pr. socks, wool, ski; lpr. socks, felt; 2pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
* Sheepacs, 12 in., w/2pr. socks, wool, ski; lpr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, field, pile, od, MQ-I												
* Cap, herringbone twill												
* Mask, cheek protector, Arctic												
* Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VI - A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
* Jacket, field, pile, od												
Jacket, wool, od												
Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka - liner, pile & Parka-shell, cotton, od												
OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole;												
2 pr. socks, wool, ski; 1 pr. insoles, felt, OR												
Boots, mukluk, w/1 pr. socks, wool, cushion												
sole; 2 pr. socks, wool, ski; 1 pr. socks, felt;												
2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service;												
w/1 pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 1 pr.												
insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2 pr. inserts, trigger finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
* Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VI 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

NORTHERN EUROPE VI - B

- Jacket, field, w/hood, jacket & overcoat
- * Jacket, field, pile, od.
- Jacket, wool, od
- Jacket & Trousers, herringbone twill.
- Overcoat, wool, od
- * Parka-liner, pile & Parka-shell, cotton, od
- OR Overcoat, parka type, w/pile liner.
- * Parka & Trousers, field, overwhite
- * Parka & Trousers, wet weather
- Poncho, lightweight, od.
- * Raincoat.
- * Shirt & Trousers, cotton, khaki.
- Shirt, flannel, od, & Trousers, field, wool, od
- Sweater, high neck
- Trousers, field, cotton, od
- Undershirt & Drawers, winter.

- * Boots, Arctic, felt, w/1pr. socks, wool, cushion sole;
2 pr. socks, wool, ski; 1 pr. insoles, felt, OR
Boots, mukluk, w/1pr. socks, wool, cushion
sole; 2 pr. socks, wool, ski; 1 pr. socks, felt;
2 pr. insoles, felt
- * Boots, knee wader
- Boots, service, combat, russet, OR Shoes, service;
w/1pr. socks, wool, cushion sole
- * Shoebags, 12 in., w/2 pr. socks, wool, ski; 1 pr.
insoles, felt

- Glove-shells, leather, w/2pr. inserts, wool.
- * Mitten-shells, w/2pr. inserts, trigger finger.
- * Mittens, Arctic, w/2pr. inserts, trigger-finger.
- * Mittens, overwhite

Cap, field, cotton, od, w/visor.

* Cap, field, pile, od, MQ-1

* Mask, cheek protector, Arctic

Muffler, wool, od.

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* Bag, sleeping, mountain . . . . .
* Bag, sleeping, wool . . . . .
* Blanket, wool, od . . . . .
* Case, water repellent, bag, sleeping. . . . .
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* Anti-insect (See Introduction).....

[illegible]

Item usually required in this month

16

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VI - I (below 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
* Jacket, field, pile, od.												
Jacket, wool, od												
Jacket & Trousers, herringbone twill.												
Overcoat, wool, od												
* Parka - liner, pile & Parka - shell, cotton, od OR Overcoat, parka type, w/pile liner.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki.												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole												
* Shoe-pacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove - shells, leather, w/2 pr. inserts, wool.												
* Mitten - shells, w/2 pr. inserts, trigger finger.												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping.												
OTHER ITEMS												
* Anti-insect (See Introduction).												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

VI 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VI-1 (above 4000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2 pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

VII 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VI-2 (below 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
* Jacket, field, pile, od.												
Jacket, wool, od.												
Jacket & Trousers, herringbone twill.												
Overcoat, wool, od.												
* Parka-liner, pile & Parka-shell, cotton, od.												
OR Overcoat, parka type, w/pile liner.												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od.												
* Raincoat.												
* Shirt & Trousers, cotton, khaki.												
Shirt, flannel, od, & Trousers, field, wool, od.												
Sweater, high neck												
Trousers, field, cotton, od.												
Undershirt & Drawers, winter.												
FOOTGEAR												
* Boots, Arctic, felt, w/1pr. socks, wool, cushion sole;												
2 pr. socks, wool, ski; 1 pr. insoles, felt, OR												
Boots, mukluk, w/1pr. socks, wool, cushion												
sole; 2 pr. socks, wool, ski; 1 pr. socks, felt;												
2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service;												
w/1pr. socks, wool, cushion sole												
* Shoepace, 12 in., w/2 pr. socks, wool, ski; 1 pr.												
insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2pr. inserts, wool.												
* Mitten-shells, w/2pr. inserts, trigger finger.												
* Mittens, Arctic, w/2pr. inserts, trigger-finger.												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor.												
* Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping.												
OTHER ITEMS												
* Anti-insect (See Introduction).												

VI 5/25/60

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VI-2 (above 2000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; l pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

V II 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; lpr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2 pr. socks, wool, ski; l pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2 pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VII 5/25/50

- Item usually required in this month
 * Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

NORTHERN EUROPE VII - B

* Anti-insect (See Introduction)

[illegible]

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VII 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - I (below 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od.												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od.												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od.												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt.												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.												
* Mitten-shells, w/2pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic.												
Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic.												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction).												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

VII 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - I (1000 - 4000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2 pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VII 5/25/50

Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - I (above 4000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY - CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-I												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

VII 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - 2 (below 1000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/1 pr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/1 pr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2 pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2 pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VII 5/25/50

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - 2 (1000 - 4000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od.												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od.												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od.												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt.												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool.												
* Mitten-shells, w/2 pr. inserts, trigger-finger.												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger.												
* Mittens, overwhite.												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic.												
Muffler, wool, od.												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain.												
* Bag, sleeping, wool												
* Blanket, wool, od.												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

— Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.

VII 5/25/50

FIELD CLOTHING REQUIREMENTS

NORTHERN EUROPE VII - 2 (above 4000 ft.)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BODY CLOTHING												
Jacket, field, w/hood, jacket & overcoat												
Jacket, field, pile, od												
Jacket, wool, od												
* Jacket & Trousers, herringbone twill												
Overcoat, wool, od												
* Parka-liner, pile, & Parka-shell, cotton, od, OR Overcoat, parka type, w/pile liner												
* Parka & Trousers, field, overwhite												
* Parka & Trousers, wet weather												
Poncho, lightweight, od												
* Raincoat												
* Shirt & Trousers, cotton, khaki												
Shirt, flannel, od, & Trousers, field, wool, od												
Sweater, high neck												
Trousers, field, cotton, od												
Undershirt & Drawers, winter												
FOOTGEAR												
* Boots, Arctic, felt, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. insoles, felt, OR Boots, mukluk, w/lpr. socks, wool, cushion sole; 2 pr. socks, wool, ski; 1 pr. socks, felt; 2 pr. insoles, felt												
* Boots, knee wader												
Boots, service, combat, russet, OR Shoes, service; w/lpr. socks, wool, cushion sole												
Shoepacs, 12 in., w/2pr. socks, wool, ski; 1 pr. insoles, felt												
HANDGEAR												
Glove-shells, leather, w/2 pr. inserts, wool												
* Mitten-shells, w/2pr. inserts, trigger-finger												
* Mittens, Arctic, w/2 pr. inserts, trigger-finger												
* Mittens, overwhite												
HEADGEAR												
Cap, field, cotton, od, w/visor												
Cap, field, pile, od, MQ-1												
* Mask, cheek protector, Arctic												
Muffler, wool, od												
SLEEPING EQUIPMENT												
* Bag, sleeping, Arctic												
* Bag, sleeping, mountain												
* Bag, sleeping, wool												
* Blanket, wool, od												
* Case, water repellent, bag, sleeping												
OTHER ITEMS												
* Anti-insect (See Introduction)												

VII 5/25/50

Item usually required in this month

* Item usually required in indicated months, but must be procured specially because "discretionary" in this zone.



CLOTHING ALMANAC NO. 9
NORTHERN EUROPE
 (SCANDINAVIA, FINLAND, AND THE BALTIC STATES)
CLOTHING REQUIREMENT AREAS

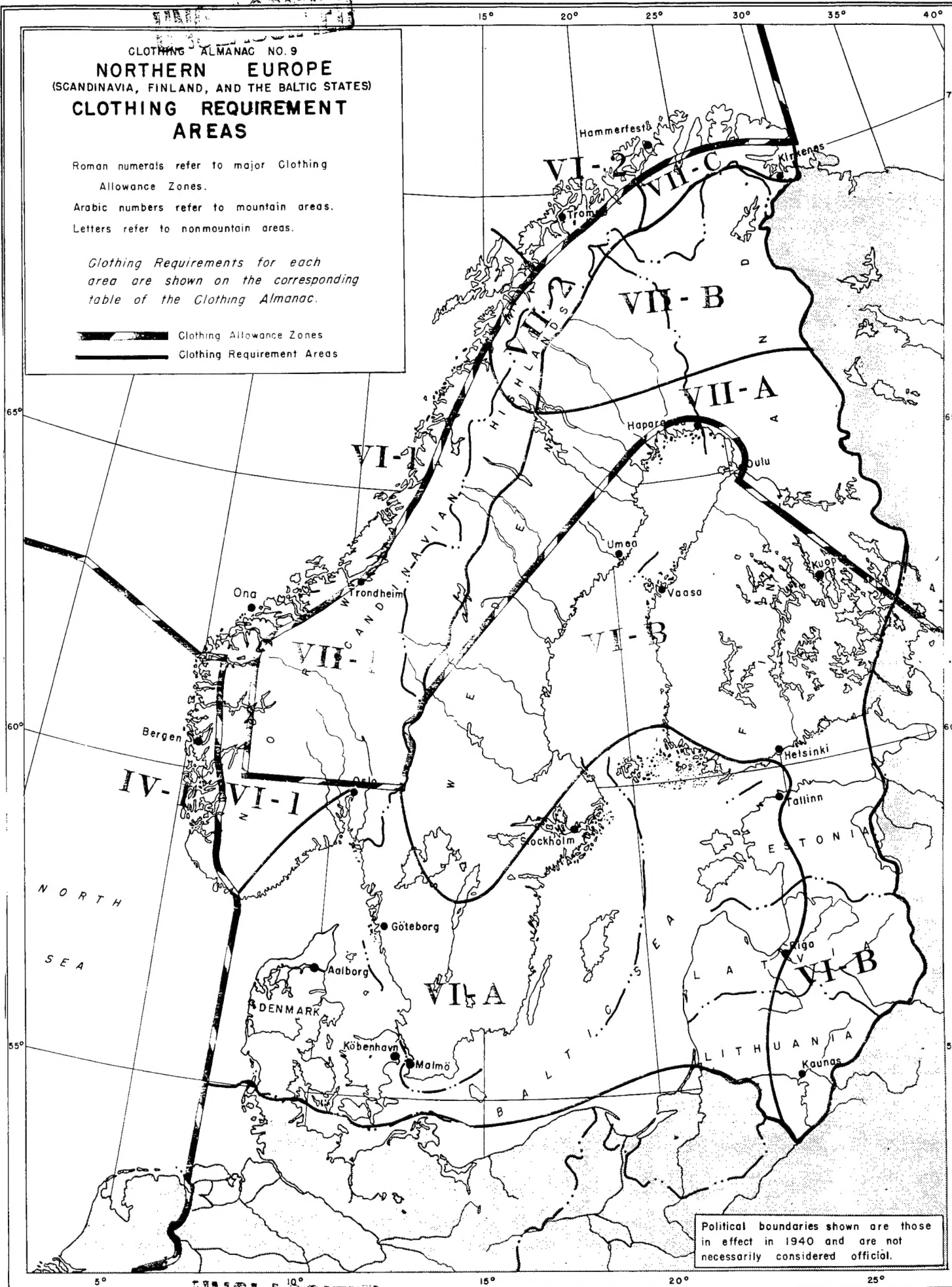
Roman numerals refer to major Clothing Allowance Zones.

Arabic numbers refer to mountain areas.

Letters refer to nonmountain areas.

Clothing Requirements for each area are shown on the corresponding table of the Clothing Almanac.

 Clothing Allowance Zones
 Clothing Requirement Areas



Political boundaries shown are those in effect in 1940 and are not necessarily considered official.

